Aayush Gangaram Mishra

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EDUCATION

Bachelor of Technology (Information Technology)
Mumbai University | Boisar, India
St john collage of engineering and mangement
June 2023 – Present

SKILLS SUMMARY

- **Languages**: Python, Java, SQL, C/C++, JavaScript, HTML/CSS, PHP
- **Frameworks**: Django
- **Tools**: AWS, Power BI, Tableau, MongoDB, Excel
- **Platforms**: Jupyter Notebook, VS Code, IntelliJ IDEA, Android Studio
- **Soft Skills**: Leadership (Rotaract Club Secretary), Presentation (Finalist at SCRS USA Ideation), Stakeholder Management
- **AI Tools**: ChatGPT, Claude 3.5/3.7, Perplexity, Grok, Solidpoint.ai and many mores..

WORK EXPERIENCE(online internships)

Quantitative Research Intern | *JP Morgan (Online Internship)*

- Simulated quantitative research methods to analyze loan books, estimating customer default probability using dynamic programming (FICO score categorization).
- Applied statistical modeling to predict financial risks, enhancing data-driven decision-making.

Advanced Software Engineering Simulator | *Walmart USA*

- Designed a **novel heap data structure in Java** for Walmart's shipping logistics, optimizing package prioritization.

- Created **UML diagrams** for a data processor and **ER diagrams** for a pet department database, improving system scalability.

PROJECTS

98+ Web Development Projects (HTML/CSS/JavaScript)
- Built interactive applications including GitHub Profile Clone, Meal Finder, and Wikipedia Clone.
- Developed games, form validators, and responsive landing pages.

Air Piano (Python/C)
- Built a gesture-controlled piano using ultrasonic sensors, Python, and C, integrating real-time audio synthesis and ML for gesture recognition.
- Demonstrated expertise in embedded systems and signal processing.

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AI Service Application (Ongoing)
- Developing an LLM-integrated platform with Python, Java, and JSON.

CERTIFICATIONS

- **Infosys Springboard**: Java Programming, DBMS, Unix, Data Networking
- **Walmart**: Advanced Software Engineering
- **JP Morgan**: Quantitative Research
- **Rigel Tech**: AWS, Data Analytics, Web Development
- **NVIDIA**: *Ongoing – Advanced Generative AI*

LEADERSHIP & VOLUNTEERING

Secretary | Rotaract Club of Virar
- Organized tree plantations, blood donation camps, and e-waste drives.
- Hosted podcasts with doctors on organ donation awareness.

College Leadership
- Media Team Head (Student Council)
- Technical Team Head (IT Student Association)
- *Documentation Head* (Bureau of Indian Standards)